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TOOLES'  
GUIDE  
TO PANSY CULTURE  
*and*  
CATALOGUE OF SEEDS  
AND PLANTS

WILLIAM TOOLE & SON

PANSY HEIGHTS

BARABOO WISCONSIN

## ANNUAL GREETING 1913

We extend our greeting to our old customers and friends with many thanks for their words of praise for Tooles' flowers. We realize that of all forms of advertising the recommendations of satisfied customers bring by far the best results; this has been one of the chief factors in building up our extensive trade. We would appreciate your showing this book to your friends and also your garden planted with TOOLE'S SEEDS or PLANTS.

We continually try to grow even better plants, and every year we attempt to improve the service to our customers. You will this year notice the addition of a list of perennial seeds and of a few vegetable seeds, besides a number of additions in the regular lists. Look this catalogue over before saying your order is finished.

Our Pansy Field is a very interesting sight to flower lovers, from the latter part of August until the ground freezes. We are always glad to have anyone come and look over our grounds.

### GENERAL REMARKS

Some people hesitate at ordering plants from a distance, but our system of packing, that gives light and air to the tops and moisture to the roots, insures their arrival in good condition at almost any distance. We have selected the lightest package possible in order to make the express charges very reasonable. Remember that there is a special rate on plants that is 20 percent lower than the merchandise rate.

### Guarantee

If seeds or plants fail to reach you in due season, or if they do not arrive in good condition let us know at once and we will do our best to make everything satisfactory. We exercise the greatest care to fill all orders correctly and pack them safely. If mistakes occur or shipments miscarry we will promptly refill or refund the money.

### Club Orders

There is an advantage in club orders if all are shipped to one person, not only by lower rates for the larger quantities of plants, but also through proportionately lower express rates. In club orders each person's collection will be marked separately, and extras sent to the person making up the order.

### Wholesale

We supply Florists and Gardeners with plants and seeds in season. Also Pansy Seeds to Seedsmen. Write for our special wholesale price lists.

### Remittances

Money at our risk if you send express order, postoffice order, or bank draft on Chicago or Milwaukee banks, or banks of larger cities. Letters containing bank bills should be registered. Small amounts in silver are generally safe. Stamps accepted; one and two cent ones preferred. Make orders plain, separate from other correspondence.

Don't forget to sign your name and send all orders to

**Wm. Toole & Son**

**Pansy Specialists**

**Pansy Heights**

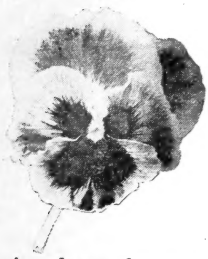
**Baraboo, Wis.**

Local and Long Distance Telephones

# Pansies and How to Grow Them

*"There's pansies, that's for thoughts."*—Shakespeare.

## ORIGIN OF THE PANSY.



Among all the floral treasures of our gardens there is no flower more interesting, more varied in color and markings, nor more generally loved than the pansy, or heartsease. Pan-

sies have been wonderfully improved in recent years and yet we thought them very beautiful in the days when we compared their improved size and color with the Johnny-Jump-Up in the old times gardens. It was just about a century ago that some English gardeners and other flower lovers first commenced to make improvements in the pansy by selection and by crossing different species of *Violas*. Of the various species used, the ones which proved most useful are: *Viola tricolor*, *Viola cornuta*, and *Viola lutea*.

## PANSIES AS CUT FLOWERS.

If tastefully arranged, pansies may be very useful for decoration. They are best suited for little bouquets in small vases, or to be spread out on flat platters. They should not be crowded but should be arranged loosely enough to show up the individual beauty of each flower. The prettiest effects are secured by cutting the entire branch a little distance below the oldest flower and arranging these according to taste. With real lovers of flowers the pansy is the great favorite for hometable and living-room decoration. Invalids and convalescents always find great enjoyment in studying the faces of pansy-flowers, for the faces are in such variety and are so suggestive. The delicate shades of many varieties make them very suitable for design work; light blue or Lord Beaconsfield used in combination with whites are especially effective. The pure whiteness and very delicate fringing of the variety, Eiderdown, makes it very valuable for designs.

## ARRANGING CUT PANSIES.

In displaying pansies for exhibition purposes wet sand or damp moss will answer to support the flowers, but we prefer shallow trays or pans of

water covered with wire netting through which the flower stems are inserted into the water. For table decoration, saucers, soup-plates, platters, or other shallow dishes of water may be covered with grasses or other foliage in sufficient quantity to keep the flowers above the water.

To the resourceful person, the following extract from a letter describing how some of Tooles' pansies were used at a recent wedding, may suggest the various ways in which pansies might be used for decorative purposes.

"We had the tinsmith make a sort of a trough to fit the top of the piano, about three inches high at the back and an inch and a half in front. This we filled with wet sand and put the pansies in it. We had greens around the ends and back and it was the most beautiful sight you ever saw. We had more admirers for the pansies than for all the chrysanthemums, and roses and carnations put together. We also had enough pansies for two lovely pieces fixed in cake baskets."

## WHEN TO START PANSIES.

They are natives of Western Europe where the climate does not run to such extremes of temperature as ours, and they do best in cool growing weather, consequently our best flowers are to be had in spring or late summer and fall.

From central Illinois northward, if but one sowing is made, most satisfaction may be derived from planting out of doors early in spring. These plants will bloom from midsummer until snow flies and, if properly cared for, will live over winter and give the earliest flowers in spring and an abundance of bloom until summer heat has drawn the branches out so long that they had better give way to younger plants.

South of the latitude above mentioned it is better to depend on spring flowers from plants started in late summer and early fall, or from seeds planted in the greenhouse or house in January.

Pansies commence to flower in from seventy to eighty days from the time of sowing, under reasonably favorable conditions, and our customers in the extreme south and on the



Pacific coast will thus see that from fall sowing they may have a long period of flowering before the summer heat commences.

In the latitude of northern Illinois and Wisconsin, seeds for plants to winter over should not be planted later than the first of September. If plants are desired for winter blooming sow late in July. Flowers can be had nearly as early from plants started in the greenhouse from middle of January to middle of February, but in the house it would be better not to plant earlier than March, for it is necessary to give the young plants room as they grow, planting out in shallow boxes before they become drawn and slender. If seeds are sown out of doors just before winter sets in, they will come up early in spring and flower before July.

#### WHERE TO GROW PANSIES.

Pansies may be grown in the house or greenhouse in winter, if young plants just commencing to bloom in the fall are used. They should be kept cool and dry and should be protected from green fly and red spider. Old plants which have done service in the garden are not suitable for winter blooming. Several plants in a box are better than single plants grown in earthen pots.

They may be grown in the garden anywhere, if not too hot a place or if not where they must struggle with larger plants or trees for nourishment and sunlight. They should not be planted where the land slopes to the south. In bedding, the best color effects may be had by planting separate colors in masses to give the contrast of the various shades of blue or purple, like Light Blue, Lord Beaconsfield and Emperor William, with yellow, white, or the brown shades.

In the summer they will do well on the balcony, porch, or window sill if not directly facing the south; and when grown in this way no plant better repays the care given. For an eastern or northern aspect pansies are fine for window boxes. Pansies, when wintered over give the earliest flowers in the garden. After blooming a couple of months they may be succeeded by the usual summer bedding plants like geraniums, verbenas, salvias, etc. Young pansy plants bloom well through the summer and are useful to follow the early spring bulbs.

The plants which have flowered in the spring will do well again in the

fall if the long branches are cut back late in June.

#### SOWING SEEDS.

The same care is required in sowing pansies as for other small seeds. They must not be covered too deeply, nor be permitted to dry after they have commenced to germinate, for a dried plant is dead no matter how small it is.

Pansy seed should be sown thinly in shallow furrows not more than one-sixteenth of an inch deep, made with the sharpened edge of a piece of lath. The seed-bed should be mellow and rich, leveled smooth before the seeds are sown, and after sowing the seeds should be covered evenly, and the surface pressed with a piece of board. The seed-bed should be watered and shaded until the young plants are up, after which they should be gradually accustomed to full light. Shade for the seed bed may be secured by laying over some kind of frame about a foot from the ground, laths or pieces of sheeting.

As soon as the plants are up the shading must be gradually removed as there is always danger of "damping off" with any kind of small plants in close, warm and damp situations. Too high temperature in the seed-bed is fatal to pansy seeds, and those planted in midsummer will not germinate strongly if the thermometer in the shade ranges for a long time above 75 degrees. If the seeds are permitted to dry after they have sprouted their vitality is gone. If covered too deeply they cannot come up.

Transplant after the plants have attained the fourth or fifth leaf and before they have become drawn and slender with crowding.

#### SOIL.

Pansies are not deeply rooted plants, therefore they must be furnished rich soil, and not allowed to become very dry, but the fertility must be such as can be used at once, and not consist of coarse fresh manure and the moist condition of soil must not run to the extreme of continued wetness.

A rich, sandy loam is good for pansies, and, if not too stiff, a clay soil is better than that which is very sandy. But whatever its texture, the soil should be made rich with well rotted manure, thoroughly incorporated with the soil, and stirred several times while the plants are in the seed-bed. This thorough preparation

of the soil before transplanting is very important.

Well-rotted manure, if to be had, is preferable to commercial fertilizers.

The ability of the pansy to stand hot weather depends greatly on its treatment. If the soil is rich enough, and not too dry, nor in too hot a situation, pansies, with frequent cultivation, will stand a long siege of hot weather, if no seeds are allowed to form. With this care one can have pansies from young plants in midsummer.

#### SHADE.

An eastern or northern slope is preferable. Our own experience does not permit us to favor shade, although shade is preferable to too much heat, and the shade of trees is more objectionable than the shade of buildings. Temporary shade during the hottest portion of the day in extremely warm weather would be an advantage, but shade the whole season through will not admit the brightest colors, or an abundance of flowers.

#### CULTIVATION AND WATERING.

If watering is necessary and possible the ground should be well soaked in the evening, and thoroughly stirred about two inches deep next morning, as soon as the soil is dry enough.

*Cultivation without watering, is better than watering without cultivation.*

Keep the buds picked off after transplanting until the plants are well established and also during very hot weather for a good display of flowers in the fall.

When growing where they are to stay, about eight inches to a foot square space should be allowed each plant. Frequent stirring of the soil is necessary between plants until they are too large.

A crust should never be permitted to form on the surface. *Frequent cultivation is, more than anything else, the secret of success in pansy growing.*

#### WINTER PROTECTION.

The plants which have flowered through the summer and fall will usually winter over if protected with a light covering of leaves or straw which is better if a little brush

has been placed over the plants first.

Young plants are quite hardy if protected from sharp winds, and not allowed to become too wet near the surface of the ground. The young plants should be transplanted from the seed-bed to winter quarters early enough to become well rooted before winter sets in.

Boards may be used instead of glass for cold frame covering; glass should be shaded if too warm, as it is desirable to keep the plants dormant, and they should be watered if necessary, as the roots will sometimes freeze dry if not looked after.

A good way to protect pansy and other plants is to have a V trough of narrow boards to cover the plants with, and then throw on some coarse litter of leaves, straw, manure or shavings. In all cases thorough surface drainage must be provided to prevent water from accumulating about the plants and forming ice about them.

#### PANSY PESTS.

Pansies, like many other flower plants in hot, dry weather, are liable to be injured by the so-called "Red Spider," a minute insect which attacks the under surface of the leaves of many garden and field plants, causing them to wither, as if from dryness. Spraying of water from a garden pump directed forcibly against the plant will reach the under side of the leaves and destroy the insects. The addition of pyrethrum powder or else kerosene emulsion to the water makes the remedy still more effective. As the red spider flourishes best in a dry atmosphere, it is often the case that plants in the shade of trees suffer because heavy dews are kept from the plants by the trees.

Aphis or plant lice cause more injury in gardens than people are generally aware of. Apply in any way to wet the plant lice, a solution of one teaspoon of nicotine to two quarts of water. The same may be used on house or other plants troubled with scale or shell louse, mealy bug or red spider. Kerosene emulsion or a strong tobacco tea will do nearly as well.

Pansies—both Seeds and Plants—are our specialty. But we also carry a general line of seeds and bedding plants as

listed in the following pages. These are of the same high quality that has given us our reputation.

## Varieties of Pansy Seeds and Prices

We offer the following list of varieties for the many pansy lovers who wish to grow the colors separately and those who have special favorites.

**SPECIAL OFFER.** To encourage this trade we make the following offer: For \$1.00 select packages to the amount of \$1.20; for \$2.00 select \$2.50 worth. This offer applies to Sweet Pea, Nasturtium and all seeds in packages as well as to Pansies. It does not apply to trade packages.

No variety of flower responds more readily to good care than does the pansy, and none are more sensitive to neglect or careless treatment.

Please give ours a chance to show what they can do.

Repeated trials have proven conclusively that our American grown pansy seed will germinate more strongly, and the resulting plants show more vitality than those grown from foreign seed. In addition to this, all varieties here offered have been tried and proved to be of value. In pansies as well as other varieties of plants, novelties are continually being offered. These we test out in our own fields before we offer them to our customers.

No.

- 1 Deep Blue—varying from bright to very dark blue.
- 3 Light Blue—delicate shades of light blue or lavender.
- 4 Nos. 1 and 3 mixed.
- 5 Uncle Tom—our own strain—the deepest black of pansies.
- 6 Black—violet center.
- 8 Nos. 5 and 6 mixed.
- 9 Havana Brown—attractive shades of light brown, old gold, etc.
- 10 Velvet Brown—very rich and velvety dark brown shades.
- 12 Bronze—varying from light bronze to copper hue.
- 13 Nos. 9, 10 and 12 with other shades of brown; mixed.
- 14 Fancy Red—reddish shades of purple from rosy to almost crimson. This variety is in all respects the best red pansy.
- 15 Rose—a variety of our own and quite distinct from any other, with light shades of pink to deep rose, and carmine purple, with rich velvety centers.
- 16 Cardinal. The nearest to scarlet of any pansy grown, combined with yellow shades.
- 20 Velvet Purple—rich, dark shades of royal and purple velvet.
- 21 Nos. 14 to 20 mixed with Mad.

Perrett and other Giant red varieties.

- 31 Rosy Lilac—flowers varying from pale lilac to darker shades.
- 34 Striped Mixed—flowers beautiful and curiously marked, with lilac, bronze and yellow on purple.
- 35 Nos. 31 and 34 mixed.
- 36 Snow Queen—pure white with characteristic yellow dot in center of flower, sometimes marked near center with blue or purple lines.
- 38 White, Large Center.
- 39 White, Blue Edge.
- 40 Nos. 36 to 39 inclusive and Giant White mixed.
- 44 Odier or Five Spotted—while other pansies have center markings only on three lower petals these marks are shown on all petals in this variety. Mixed colors.
- 49 Emperor William—blue with large dark center.
- 50 Lord Beaconsfield—lower petals dark purple, shading to lavender in upper petals. This and preceding variety are good bedding varieties.
- 51 Nos. 49 and 50 mixed.
- 52 Marbled yellow—reddish purple on yellow ground, gold banded. Very beautiful.
- 53 Fiery purple—velvety, scarlet purple shades, with yellow.
- 54 Fire King—upper petals bright purple red, lower, yellow with large center markings.
- 55 Gloriosa Perfecta—beautiful markings with rich steel blue shading over the colors. Some with white, others with white and crimson edges.
- 56 Rainbow—much after style of Gloriosa Perfecta with an additional blending of yellow.
- 57 Emperor Frederick. Black or dark brown with rich crimson and golden yellow border.
- 58 Columbia. The red, white and blue pansy. This variety is very hard to hold true to color, but when it does come true probably no flower grown combines to the same extent our national colors as does our pansy, Columbia. Pkt. 15c.
- 61 Freya—black with crimson and white edge.
- 63 Silver Edge—rich purple shades with distinct white border.
- 64 Nos. 52 to 63 mixed. Fancy bordered varieties mixed. Nothing more beautiful than this class in all the varieties of pansies.



- 65 Deep Yellow—no yellow flower grown is more attractive than the deep yellow pansy.
- 66 Light Yellow—canary yellow to creamy white.
- 69 Sunshine or Goldelsie. Pure yellow without other markings, while on a few plants the flowers are penciled with lines of black or brown near the center.
- 70 The preceding yellow varieties with Giant Yellow mixed.
- 73 Blue with white border.
- 74 Orchid Flowered—flowers large of varying shades of yellow, buff, pink—indescribable.
- 75 Yellow Thunder. Named after a Winnebago Indian chief who was much esteemed by the early settlers of Sauk county. Color a salmon yellow overlaid with coppery brown. In some flowers the darker shade predominates while others are light. Altogether the combination of colors is very unique and attractive. Per packet, 25c.
- 76 Three preceding varieties mixed.
- GIANT VARIETIES**—The flowers and plants of this class of pansies are larger than the others. In the last few years they have been greatly improved in form, substance, of petals, and color, and are rapidly taking the place of the smaller flowered varieties. We are constantly testing new varieties and list only those of merit.
- 97 Bugnot—a Giant Odier of great beauty and variety of markings. Packet 15c.
- 98 Giant Masterpiece—flowers very large; petals frilled and ruffled, some appear as if double; have Odier style of colors. Packet 15c.
- 99 The two preceding varieties mixed. Packet 15c.
- 100 Giant Yellow—flowers very large, bright yellow, with black or brown velvety centers.
- 101 Giant Goldelsie—strong grower and large flowers. A bright shade of pure yellow without other markings.
- 102 Giant Purple—rich velvet shade.
- 103 Giant Beasonsfield.
- 104 Giant Emperor.
- 105 Giant Light Blue—delicate light blue and lavender.
- 106 Giant Dark Blue—deep blue to almost black.
- 107 Giant Snow Queen—larger than the ordinary Snow Queen.
- 108 Giant White—the flowers are very large with rich violet center markings.
- 109 Giant Striped—always attractive.
- 110 Giant Rosy Lilac—these have large, often fringed, flowers in light and dark shades of lilac.
- 111 Giant Mauve—We have tested this variety for several years and consider it one of the best of the recent introductions. Rich mauve color with violet center markings.
- 112 Giant Young Bride—delicate pink flowers with purple violet center.
- 113 Giant Purple Violet Center—rich purple, very striking.
- 114 Giant Aureola—a large yellow flower with a band or aureole of red on the upper petals and large center markings.
- 115 Giant Canary Bird—also known as McKinley. Canary yellow with very large dark blotches on all five petals.
- 116 Giant Auricula—in varying shades of rosy buff, chamols, etc.
- 117 Giant Havana Brown—old gold, fawn, russet, etc.
- 119 Giant Pretiosa—with a deep violet blotch on each petal surrounded by rosy to crimson purple and edged with white.
- 120 Giant Rosy Morn—from rosy to crimson purple with white edge.
- 121 Giant Indigo—rich royal purple and dark blue purple shades.
- 122 Giant Rainbow—in reddish purple and yellow with steel blue shading.
- 123 Giant Pearl—in shades of drab, brownish, lavender, etc.
- 124 Giant Lavender—a lovely shade of lavender blue with rich violet blue center. The flowers are large, of good substance and very attractive. Per packet, 20c.
- 125 Giant Black—flowers of large size and deep black.
- 126 Giant Mme. Perrett — varying from wine color to rosy purple on white or yellow ground; a noticeable variety.
- 127 Tooles' Americana—The perfect form and strong growth of our Eiderdown combined with its unique fringing set it apart as distinct from others. It has been our aim to develop from it a new American type. Although necessarily slow, our success is gratifying and it is with pride that we offer this mixture of several shades of lilac, purple and yellow of this type.

We will in time offer the separate colors of this type. Pkt. 25c.

- 128 **Elderdown** — a beautiful giant flowered white pansy which we believe is the first of what will eventually prove to be a distinctive American type. Flowers perfectly round in form and delicately fringed around edges; of purest white except for a faint lavender pencilling near the center. As an exhibition flower this variety always attracts attention, and because of its stocky growth, free branching habit and profuse blooming qualities it is especially valuable for bedding. Pkt. 20c.
- 129 **Giant Cyclone**—this variety is also of the giant class, and because of its delicate shading, is always a favorite. It has a white ground, with a dark, border that shades to a delicate lavender. It is also a free bloomer and shows finely as a bedder. Per pkt. 20c.

Any of the above varieties or mixtures, 10c per pkt. except where otherwise noted.

Florists and Market Gardeners write us for our trade list.

#### GENERAL MIXTURES OF PANSY SEEDS.

We wish to call attention here to our numbered mixtures of pansy seed, taking in all those varieties of related colors, or classes. We refer to such mixtures as Nos. 4, 8, 21, 64, etc., which are very popular.

- 130 **Toole's Giant Prize Pansies.** This is a carefully prepared mixture of the many beautiful

large flowered varieties and has been very popular with our customers since we first offered it. It will stand the test of the closest comparison with any mixture of giant varieties offered, whether grown in America or Europe. Packages of about 300 seeds, 15c; trade packages of about 1000 seeds, 30c.

- 133 **Extra Choice Mixed.** This is a good general mixture of pansy seed containing a good proportion of giant varieties. Pkt. 10c; trade pkt. 20c.
- 134 **Selected Mixed.** A mixture of about equal quantities of all the kinds we grow. You cannot help being pleased with this mixture. Pkt. 15c; trade pkt. 30c.
- 135 **Hesperian Strain.** A selection of the most beautiful varieties, noticeable for their large size and perfection of form and coloring. The formula for this mixture has been made as the result of thirty years' experience in raising pansy seeds and plants for the wholesale and retail trade. We offer it with the utmost confidence that it will please the most critical customers. Pkt. of 300 seeds, 25c; trade pkt. of about 1000 seeds, 50c.

Premiums: For \$1.00 order pkts. to amount of \$1.20; for \$2.00 order to amount of \$2.50.

The above premium applies to seeds in pkts., but not to trade pkts., or seeds by weight.

The same premium is allowed for other seeds as for pansy seeds.

Pansy plants. For prices of pansy plants see general list of plants.

## Other Flower Seeds

Our seeds other than pansies, which we grow ourselves, are procured from the very best sources in Europe and America.

To encourage the use of our seeds, we offer premiums as follows: For each dollar sent for seeds in packages, select extra seeds to the value of twenty cents. The above premium offer applies to both pansies and other seeds in packages, but does not apply to seeds ordered in trade packages or in bulk. Trade packages of any of the seeds listed may be had at double the price for ordinary packages. Trade packages contain three times the amount of ordinary packages.

NO.

- 199 **AGERATUM**—Blue Perfection. Dark blue, dwarf; for bedding and borders. Pkt. 5c.

- 200 —Imperial dwarf, white. Pkt. 5c.

- 201 **ALYSSUM.** Little Gem. Dwarf, compact plants, fragrant, white flowers. For bedding, ribbons, etc. Pkt. 5c.

- 202 **ANTIRRHINUM,** or Snapdragon. Giant flowered, mixed colors. Now a very popular flower. Pkt. 5c.

**ASTER.** We take great pride in our Asters and secure the very best strains that we have tested out on our own grounds.

The same directions given for care of pansies in seed-bed will apply to asters, except that the latter may be covered a little deeper. Seeds may be sown from the time frost leaves the ground until late in May. Plants started in May will be ready for the fall fairs.

Make the soil into which they are transplanted rich; stir the surface frequently and mulch before they begin to bud. Asters when in bloom should not suffer for want of water.

When the plants are in full bloom out of doors they may be lifted with some soil about the roots and placed in a bowl or tumbler of water with a little moss in the bottom. They will thus keep in condition longer if removed to the house for decoration than they would if exposed to the weather in the garden.

With so much need for white flowers none are more useful than white asters. These with the lighter shades of purple, blue and rose or pink, are very much used for decorative work. A choice selection of these colors, in the best varieties, has been chosen for customers.

- 203 New Branching Aster. Large flowers of fine form and with long stems. The finest of all asters for cutting. Mixed colors. Pkt. 10c.
- 204 New Branching. Separate colors; white, pink, crimson or lavender. Pkt. 10c.
- 205 Crego's Giant Pink. Shell pink, fluffy flowers with long curly petals on long stems. Pkt. 15c.
- 206 Crego's Giant White. Pure white, otherwise same as the pink. Pkt. 15c.
- 207 Carlson or Early Flowering Branching Aster. Pink. Pkt. 10c.
- 208 Carlson. White. Pkt. 10c.
- 209 Giant Comet. Flowers large with long petals like chrysanthemums and in variety of colors; branches long. mixed. Pkt. 10c.
- 210 Giant Comet in white, pink or light blue; separate. Pkt. 10c.
- 211 Ostrich Feather. Much after style of Giant Comet. Flowers large in variety of colors; long stems. Pkt. 10c.
- 212 Ostrich Feather, white, light blue or pink; separate. Pkt. 10c.
- 213 Paeonia Flowered Perfection. Flowers large, globular, free blooming, and in great variety of shades; mixed. Pkt. 10c.
- 214 Paeonia Flowered, white, pink or light blue, separate. Pkt. 10c.
- 215 Rose Flowered. Flowers medium large, in great variety of colors, very double and free blooming, durable and satisfactory for decorative purposes; mixed. Pkt. 10c.
- 216 Rose Flowered, white, light carmine or light violet; separate. Pkt. 10c.
- 217 Tall varieties mixed. Pkt. 10c.

#### HALF TAIL VARIETIES

- 218 Comet. A new variety attracting much attention because of resemblance to Japanese Chrysanthemums; colors mixed shades of bright pink, light rose, lilac and white striped. Pkt. 10c.
- 219 Early Express. A white aster—very early—of the Comet class; flowers very large for so early a variety. Pkt. 10c.
- 220 Hohenzollern. Another of Comet class. Flowers of the largest size and in a variety of colors. Pkt. 10c.
- 221 Queen of Earlies. Flowers medium to large size on long stems, very early and desirable, mixed colors. Pkt. 10c.
- 222 Queen of Earlies. White, pink, light blue or crimson; separate. Pkt. 10c.
- 223 Half-tall varieties mixed. Pkt. 10c.
- 224 All varieties mixed. Pkt. 10c.

#### OTHER MIXTURES

To accommodate the large demand for asters for decorative work we offer for florists' use a mixture of best white with light blue and pink, or carmine shades as:

- 225 Florists' Mixed. Pkt. 10c.
- And for the same uses we offer a mixture of the best white varieties.
- 226 Mixed Whites. Pkt. 10c.
  - 227 BALSAM. A showy old-fashioned flower of easy culture. Also known as Lady Slipper. Double flowers, white, pink, red, finest mixed. 10c per pkt.
  - 228 CARNATION, Marguerite. These if sown early will bloom the same season. They are very free bloomers, and more than three-fourths come double from the seed. They are in as great a variety of colors and as fragrant as the greenhouse carnations. Pkt. 10c.
  - 229 CANDYTUFT. Well known and desirable for cutting or planting in beds or masses. Empress, the best white, and all varieties mixed. Pkt. 5c.
  - 230 CENTAUREA Cyanus, Bachelor's Button or Corn Flower. Emperor William, a dark blue variety much in demand as a cut flower. Pkt. 5c.
  - 231 COBEA Scandens. Porch vine with large purple, bell shaped flowers, and handsome leaves. Rapid grower. Start early and transplant. Pkt. 10c.
  - 232 COSMOS, Early. Easy to grow, covered with bloom the entire summer. We saved this seed from selected plants the past summer. Mixed colors. Pkt. 10c.
  - 233 COSMOS, Early. White, pink, or crimson; separate. Pkt. 10c.
  - 234 DIANTHUS. Double Chinese Pink. These are profuse bloomers and the flowers are very showy, being as satisfactory as the carnations as a cut flower. Ranging in color from nearly

white to the darkest scarlet. Mixed colors, 5c per Pkt.

- 235 **DIMORPHOTHECA aurantiaca**, The glossy orange gold with the contrasting black disk of the Marguerite-like blossoms make this a conspicuous and beautiful plant for beds and borders. New, from Africa. Pkg. 10c.
- 236 **GODETIA**. New Dwarf Hybrids, mixed. An old fashioned garden flower that is much admired. Large satiny flowers in many shades of red, pink and white. Pkg. 5c.
- 237 **MIGNONETTE**. Machtet, dwarf pyramidal growth and very fragrant flowers. A favorite in the garden and much desired in bouquets, because of its delightful fragrance. Pkt. 10c.

**NASTURTIUMS**, Tall. We obtain the very best Nasturtium seed to be found.

- 238 All varieties mixed. Combination of rich colors. Oz. 10c, pkt 5c.
- 239 —Crimson. Oz. 10c, pkt 5c
- 240 —Yellow. " 10c, pkt 5c
- 241 —Rose. " 10c, " 5c
- 242 —Scarlet. " 10c, " 5c
- 243 —Orange. " 10c " 5c
- 244 —King Theodore. Dark red. Oz. 10c, pkt. 5c.
- 245 **NASTURTIUMS**, Dwarf; mixed. Oz. 10c, pkt. 5c.
- 246 Lady Bird. Yellow, barred with ruby crimson. Oz. 10c, pkt. 5c.
- 247 —Dwarf Crimson. Oz. 10c, pkt. 5c.
- 248 —Creamy white. Oz. 10c, pkt. 5c.
- 249 —Rose. Oz. 10c, pkt. 5c.
- 250 King of Tom Thumbs. Scarlet, Oz. 10c pkt. 5c.
- 251 —Golden King, bright yellow. Oz. 10c pkt. 5c.
- 252 **PHLOX DRUMMONDII**. Large flowering. Easy to grow, brilliant colors; mixed. Pkt. 5c.
- 253 **PETUNIA HYBRIDA GRANDIFLORA**. Fringed; mixed colors. Pkt. 10c
- 254 —Superbissima. Large flowered with large, deep throat; mixed colors. Pkt 10c.
- 255 **SALVIA Splendens**, Bonfire. This showy bedder with its long spikes of scarlet becomes more popular every year. Medium growing and free bloomer. Pkg, 10c.
- 256 **SCABIOSA**, or Mourning Bride. Fine for cut flowers. A mixture of white pink, yellow, scarlet, nearly black and other shades. Pkt. 10c.

**SWEET PEAS** should be planted early in reasonably fertile soil, not less than three inches deep. The seed may be planted in trenches and covered with a couple of inches of dirt and more soil added after the young plants come up.

If flowers are picked freely the plants will continue longer in bloom.

Our list is selected with great care to get the best varieties, and we have secured the best quality of seed.

- 260 Orchid Flowered or Spencer type. Giant flowers with wavy edge. The finest colors of Sweet Peas mixed. Oz. 20c, Pkg. 10c.
- 261 —Countess of Spencer. Lovely shell pink. Wings and standards waved and fluted at outer edges. Oz. 20c, pkt. 10c.
- 262 —Florence Morse. Light pink, Spencer type. Oz. 20c, pkt. 10c.
- 263 —Helen Lewis. Orange pink, Spencer type. Oz. 20c, pkt, 10c.

#### STANDARD VARIETIES

- 270 —Sweet Pea. **TOOLES' SPLENDID** Mixture. All the best colors of the free blooming standard varieties. Oz. 10c, pkg. 5c.
- 271 —Dorothy Eckford. Pure white. Oz. 10c, pkt. 5c.
- 272 —Emily Henderson. Pure white. Earlier than Dorothy Eckford. Oz. 10c pkt. 5c.
- 273 —Blanche Ferry. Pink and white, early. An old favorite. Oz. 10c, pkt. 5c.
- 274 —Prima Donna. Lovely shade of pink Oz. 10c, pkt. 5c.
- 275 —Royal Rose. Deep rose. Oz. 10c pkt. 5c.
- 276 —King Edward. The best bright scarlet. Oz. 10c, pkt. 5c.
- 277 —Queen Alexandria. The largest and finest scarlet self in existence. Oz. 10c, pkt. 5c
- 278 —Lovely. Beautiful soft pink, large flower. Oz. 10c, pkt. 5c.
- 279 —Dainty. White edged with pink. Oz. 10c, pkt. 5c.
- 280 —Black Knight. Deep maroon. Oz. 10c, pkt. 5c.
- 281 —Earliest Sunbeam. Primrose yellow, early. Oz. 10c, pkt. 5c.
- 282 —Aurora. White, striped with salmon Oz. 10c, pkt. 5c.
- 283 —Navy Blue. Oz. 10c, pkt. 5c.

**VERBENA HYBRIDA**. A fine bedding plant. Popular and easy to grow.

- 285 —Firefly. Scarlet with white eye. Pkg. 10c.
- 286 —Defiance. Fiery scarlet. Pkg. 10c.
- 287 —Mayflower. Beautiful pink. Pkg. 10c.
- 288 —Coerulea. Dark blue with white eye. Pkg. 10c.
- 289 —Mammoth White. Pure white. Pkg. 10c.
- 290 —Mixed colors. Finest quality mixed Pkg. 10c.

## Hardy Perennial Flower Seeds

The rapidly increasing popularity of the hardy perennials has led us to list the seeds of a few of the more easily grown and more popular kinds. We have secured seeds of especially high quality that are sure to give the very best satisfaction. Per package 10c unless otherwise noted.

- 300 **AQUILEGIA CHRYSANTHA**. California Columbine; long spurred, yellow.
- 301 **AQUILEGIA COERULEA**. Blue and white, long spurred; known as the Rocky Mountain Columbine.
- 302 **CANTERBURY BELLS**. Cup and saucer variety. Mixed colors.
- 303 **CANTERBURY BELLS**. Single; mixed colors.
- 304 **COREOPSIS LANCEOLATA GRANDIFLORA**. Large, golden yellow.
- DELPHINIUM**, or Larkspur.
- 305 - Chinese. In various shades of blue.
- 306 - Chinese. White.

- 307 - **Formosum**. Blue with white eye.
- 308 - **Formosum coelestinum**. A clear sky blue.
- 309 - **Hybridum**. Large flowered. Very best strain.
- 310 - **Pelladonia**. New. Good bloomers. Turquoise blue. Pkg. 15c.
- 311 **DIGITALIS MACULATA**. Spotted Foxglove.
- 312 **GAILARDIA GRANDIFLORA**. Mixed.
- 313 **GYPSOPHILA PANICULATA**. Baby's Breath. Fine mist-like flowers.
- 314 **HOLLYHOCKS**. Double. Mixed colors.
- 315 - Single. Mixed colors.
- 316 - **Allegheny**. Fringed. Mixed colors.
- 317 **POPPY**, Oriental. Deep crimson.
- 318 **PYRETHRUM HYBRIDUM GRANDIFLORUM**. Large flowers.
- 319 **SHASTA DAISY**. The best Shasta.
- 320 **SWEET WILLIAM**. Single. Mixed colors.
- 321 - Double. Mixed colors.

## Vegetable Seeds

For the convenience of many of our customers who have space for only a few vegetables we offer these few sorts that everybody plants. We have selected the varieties that we have found in our own kitchen garden to be the best. The seed is of extra quality.

**CABBAGE**. Early Jersey Wakefield, standard early. Premium Flat Dutch, favorite late.

**LETTUCE**. Grand Rapids, Curly; extra select. All Seasons, smooth, has a very long season.

**RADISH**. New Scarlet Globe. Quick growing and best flesh.

**TOMATO**. Earlina, Improved; standard early, red. Livingston's Globe, a midseason that pleases all; purple, solid fruit. Favorite, main crop, prolific, good quality.

All Vegetable seeds in generous packages; 5c and 10c sizes.

## PLANT DEPARTMENT

### PLANTS FOR HOUSE AND GARDEN

The selection of varieties for our plant list has been made with reference to their fitness for outdoor growing, window boxes in summer, veranda boxes, and vases, without regard to their usefulness as winter house plants. We find that many things which formerly were classed only as greenhouse plants are fine for summer growth either outside of the window, in the garden, or as climbers by the porch.

**PLANTS FOR WINDOW BOXES**. Our customers often inquire about plants suitable for window boxes and vases. Selection may be made from the following: Geraniums in variety, Paris Daisy, Feverfew, Salvia Splendens, Cigar Flower, Verbena, Petunias single or double, Thunbergia, Lobelia,

Double Alyssum, Vinca, Ageratum, Coleus, Tradescantia.

**GARDEN ANNUALS**. In offering seedling plants of our garden annuals we seem to have supplied a long felt want, and we have been surprised at the great demand for them for bedding purposes. Many do not care to trouble with seed sowing, others order a few to fill vacancies, or such varieties which they cannot start early. Many find it much cheaper at the moderate prices we charge to buy our strong transplanted plants, rather than run the many risks of failure in starting them from seeds.

**CARE OF PLANTS WHEN RECEIVED**. The plants when received, whether by express or mail, should be



taken to the cellar or some other cool place, and unpacked at once. The roots should then be sprinkled with water and covered with fresh soil, planting them out in the evening or early in the morning. The bed should have been prepared some time previously, the surface being stirred frequently. The plants, with watering and shading, may then be safely planted even in dry weather.

**EXPRESS RATES.** Express rates on plants are 20 per cent less than merchandise rates. See that you get this special rate.

**OUR SYSTEM OF PACKING.** We wish here to call especial attention to our system of packing plants which keeps the roots moist and gives the tops light and air so that they can

be shipped long distances and arrive in perfect growing condition. Our packages are the lightest possible weight and so make the express charges very moderate.

**CLUB ORDERS.** In club orders each person's collection will be marked separately, and some extras sent to the person making the order.

**GUARANTEE.** It is our constant aim to supply our customers with plants of the very best quality. If mistakes should occur, or plants arrive in poor condition due to careless handling by the express company, please let us know and we will rectify at once. We will not, however, be responsible for more than the original value of the plants.

## LIST OF PLANTS

**AGERATUM.** The plants are a mass of flowers until cut by frost. They are fine in masses or as a border to taller growing showy plants such as *Salvia*. In separate colors, lavender blue, or pearly white. Per doz. 30c.

**ALYSSUM, Double Sweet.** The plants are a mass of white until the ground freezes, and the flowers have a pleasant honey fragrance. Valuable as droopers over edge of vase or window box, or for borders of flower beds. Much used in cemetery planting. Each 5c, doz. 50c.

**ANTIRRHINUM, or Snapdragon.** An old time favorite which has become a fashionable flower during the last few years. Strong plants in a variety of colors. 30c per doz.

**ASPARAGUS PLUMOSUS,** generally known as "Asparagus Fern." For table decorations or house culture. Plants 15c each. Larger sizes 25c and 35c each.

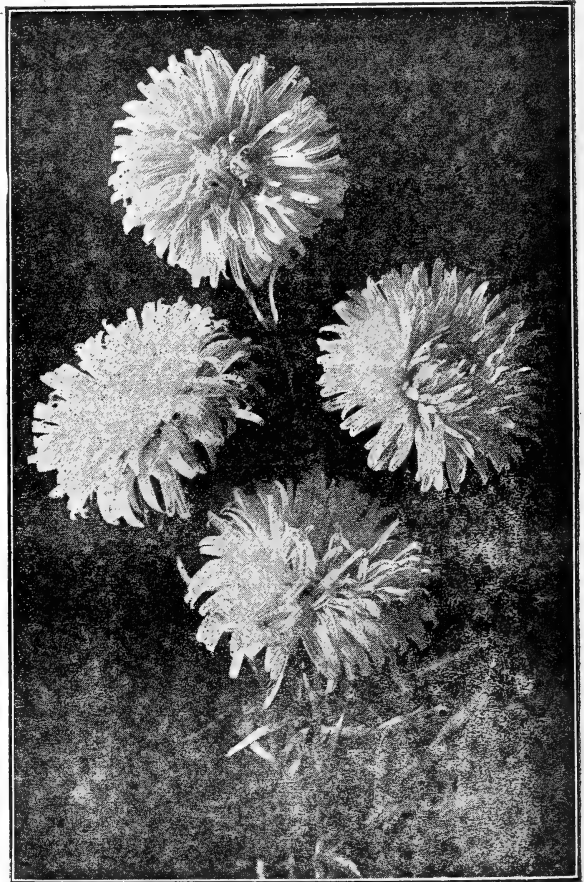
**ASPARAGUS SPRENGERII,** Emerald feather. Desirable for hanging basket or shady window box as well as for house culture. Plants, 15c each. Larger plants, 25c each.

**ASTERS.** Asters steadily increase in popularity for cut flowers and are as general favorites in their season as are the *chrysanthemums* later. By planting separate varieties a long season of blooming is obtained.

We make aster plants one of our specialties and our rapidly increasing trade assures us that our customers are pleased with the results secured by planting our aster plants.

We can furnish them in white pink, light blue or lavender, bright red and deep purple, in the separate

colors of the varieties described in the seed list, also in mixtures.



ASTER, COMET CLASS

The plants we offer have been transplanted, they are strong and thrifty, and are grown from the choicest seed. Doz. 20c, per 100, \$1.25.

**CANNAS.** The foliage is tropical in appearance and the flowers give a mass of color from the first of July until frost. Much used as a bedding plant, either alone or as the center or background for salvias, geraniums or other showy plants. The varieties offered are all standard and will give good satisfaction.

—Alphonse Bouvier. 5 ft. Crimson flowers, green foliage.

—Egandale. 4 feet. Currant red flowers, bronz foliage.

—Souv. de A. Crozy. 4 ft. Flowers crimson scarlet, bordered yellow, green foliage.

—King Humbert. 4 ft. Orange scarlet flowers, very broad bronze foliage. The finest of all. Called the Orchid Flowered Canna

—Florence Vaughan. 5 ft. Golden yellow flowers with bright red, green foliage.

Price: 3 in pots, by express, each 15c; 3 for 40c; \$1.50 per doz.

#### CARNATIONS.

—Green house varieties. These are not early enough bloomers to be satisfactory as garden flowers, but they are often called for by customers who wish to grow them as winter house plants. We can furnish plants in pure white, flesh pink, rose pink, or bright scarlet, 10 cents each; \$1.00 per doz.

—Marguerite. These summer flowering carnations are grown from seed and flower freely the first season. A large percentage come double and they are delightfully fragrant. In white, pink or mixed shades. Per doz., 30c.

#### CHRYSANTHEMUMS.

—Major Bonaffon. Late, globular yellow flowers.

—White Bonaffon. Pure white, late.

Either of the above varieties of chrysanthemums 10c each; per doz. \$1.00.

**CIGAR FLOWER.** *Cuphea platycentra*. Tubular scarlet flowers, tipped with black and ash white. Always in bloom, winter and summer, and very pretty in a window box or vase. 5c each, per doz. 50c.

**CINERARIA MARITIMA, DIAMOND.** Dusty miller. Leaves are white. Much used for bedding. Each, 5c, 50c per doz.

**COBAEA SCANDENS.** A rapid growing climber with large, purple, pendant bell shaped flowers. Very handsome for screens, or porch shade. 5c each, per doz. 50c.

**COLEUS.** Much used for bedding, also very pretty in sunny window boxes and lawn vases. We have a fine collection of yellow, red, and mottled colored foliage. 5c each, 50c per doz., \$3.50 per 100.

**COSMOS.** These are so free blooming that they should be in every garden. In mixture of colors from pure white through pink to dark crimson.

—Early, mixed colors or white, per doz. 30c.

—Late, mixed colors or white, doz. 30c.

#### DIMORPHOTHECA AURANTIACA.

The Golden Marguerite. This beautiful annual was recently introduced from South Africa. We were very much pleased with this new plant last year as it showed up on our own grounds. The glossy orange gold with the contrasting black disk of the Marguerite like blossoms make this a conspicuous and beautiful plant for beds and borders. 5c each, 50c per doz.

**ENGLISH DAISY.** *Bellis perennis*, double flowered, white or pink. A favorite spring flower. Goes well with a bed of pansies. 3c each, 30c per doz.

**FERNS.** We keep a stock of ferns of various sizes on hand all the year. State the price you wish to pay and we will send good value for the money.

—Boston, or Hanging Basket Fern. The standard decorative plant at the present time. Its rapid easy growth and fountain like form make it a general favorite. Price, 15c, 25c, 50c, 75c and \$1.00 each according to size.

—Whitman, or Lace Fern. The fronds of this variety are very finely divided, and it is the best of the new varieties which have been recently introduced. It does not revert to the plain form as some of the others do, and the plants have a graceful luxuriant appearance which is very attractive. Price, 20c, 30c, 50c, and 75c each, according to size.

—For Fern Dishes. We have different varieties best suited for use in fern dishes. 10c each, \$1.00 per doz.

**FEVERFEW.** The Gem, double white fine for cut flowers, design work or growing in masses. 5c each, per doz. 50c.

**GERANIUMS.** Of these popular plants we have selected the following choice collection as being the best out of a great number of varieties tested.

—Double. Countess of Harcourt, the best double white; John Doyle, bright vermillion; Abbie Schafer, one of the best red bedders, large, semi-double, crimson scarlet, flowers S. A. Nutt, the very darkest scarlet;

Flamingo, the brightest of the dark scarlets, a compact grower; Marvel, dark scarlet, more robust than S. A. Nutt, but not quite so dark; Alphonse Ricard, clear bright scarlet; E. H. Trego, a new scarlet with very large flowers; Professor Poirlaut, crimson, purple and scarlet; Queen of Fairies, light rose, shading to light flesh; Madam Gilbert, deep pink; Jean Viaud, clear pink; Louis Frencaise, light salmon pink; Orosa, bright carmine. Bertha de Presilly, silver rose pink, flowers, the best light pink bedding variety; Countess de Roma, white with a thread of rose at the edge of the petals; new and greatly admired. Strong plants 3 in pots, 10c each, \$1.00 per doz.

—Single. The call for single geraniums has been very large the last few years and we have not always been able to supply the demand. We have a large stock of fine plants ready this year and we think we will be able to fill all orders. Snow Queen, the best single white; Jacquerie, very dark glowing vermilion scarlet; Barbiset, pink, white in center; Blanche Molas, light rose, shading to flesh; Mrs. Hill, salmon rose; Alice of Vincennes white center surrounded by rose and bordered with bright scarlet, a very showy variety; Madam Bruant, another aureole variety, white surrounded with pink.

Any of the above varieties of geraniums, good strong plants, 10c each, \$1.00 per doz.

—Rose Scented, is fine for summer use if grown in the garden, and like Heliotrope should be in every outdoor collection. Either skeleton leaved or common. 10c each.

—Madam Saleroi, leaves green, edged with white, plants dwarf and much used for borders to beds. 5c each, per doz. 50c.

GLADIOLUS BULBS. The Gladioli increase each year in popularity as their value for house decoration is more generally recognized. If cut when the first flower opens and placed in water in the house every bud on the spike will open into good flowers. Grown in masses the flowers make a fine show in the garden. They are useful to succeed the early spring bulbs as the gladiolus bulbs may be planted in the beds while tulips, etc., are in blossom and the bed can be put in shape for the gladioli afterward. The bulbs should be placed not less than three inches deep and may be planted for succession from early spring until middle of June. If grown in masses they may be planted five or six inches

apart and if in rows about three inches apart in the row.

We have a fine collection of gladioli in a splendid mixture of shades. By mail, postpaid, per doz. 40c, 35 for \$1.00. By express, per doz. 25c, 60 for \$1.00, \$1.50 per 100. Light shades, by mail, postpaid, per doz. 50c, 35 for \$1.00. By express, per doz. 30c, 50 for \$1.00.

Mixture of dark shades at same prices as light shades mixture.

GLADIOLUS, America. This is the most beautiful of all the varieties of gladioli. It is of a soft lavender pink shade. The flowers are large on strong vigorous stalks. Price 10c each, \$1.00 per dozen.

HELIOTROPE. After testing a great many varieties we offer the following as the best: Queen of Violet, very dark with white eye; Florence Nightingale, medium shade and very free bloomer; White Lady, nearest approach to white, good grower, free bloomer. Centefleur, a new variety, free bloomer with large flowers of heliotrope shade. Any of the above varieties of heliotrope, 10c each, \$1.00 per doz.

LEMON VERBENA. Aloysia citriflora. Delightful lemon fragrance to the leaves. For indoors or outside, 10c each, per doz. \$1.00.

LOBELIA. Single blue with white eye. Much used for bedding, and in window boxes and vases. 5c each, per doz. 50c.

—Kathleen Mallard. The double blue lobelia. May be used the same as the single flowered lobelia. 5c each, per doz, 50c.

MOORING BRIDE. Scabiosa. The flowers are double on long, slender stems and they are fine for cutting. They come in a variety of shades from white to deep maroon and darkest purple. Per doz. 30c.

PARIS DAISY. We have tested the following kinds of Paris daisies or Marguerites and recommend all of them for planting for cut flowers or growing in pots.

—Mrs. F. Sander. The new double Paris Daisy. Double flowers of pure glistening white. Produced on long stems and suitable for cut flowers or pot culture, 15c each, \$1.50 per doz.

—Giant flowered. Single flowers of large size. Good for cut flowers. 5c each, 50c per doz.

PARSLEY. Much used for garnishing meats or flavoring dressings. Also very ornamental in the garden. Giant curled, strong plants. 5c each, 50c per doz.

## PANSY PLANTS

The growing of pansy plants and seeds is our main specialty and our trade in pansy plants is now very extensive with both amateurs and dealers. For thirty years we have shown our pansies at our own state and other leading fairs of the west and we know what will please the American people in colors and varieties.

We offer our pansies believing them to be superior in size and form of flower, with the most beautiful colors and markings to be found in pansies at the present time.

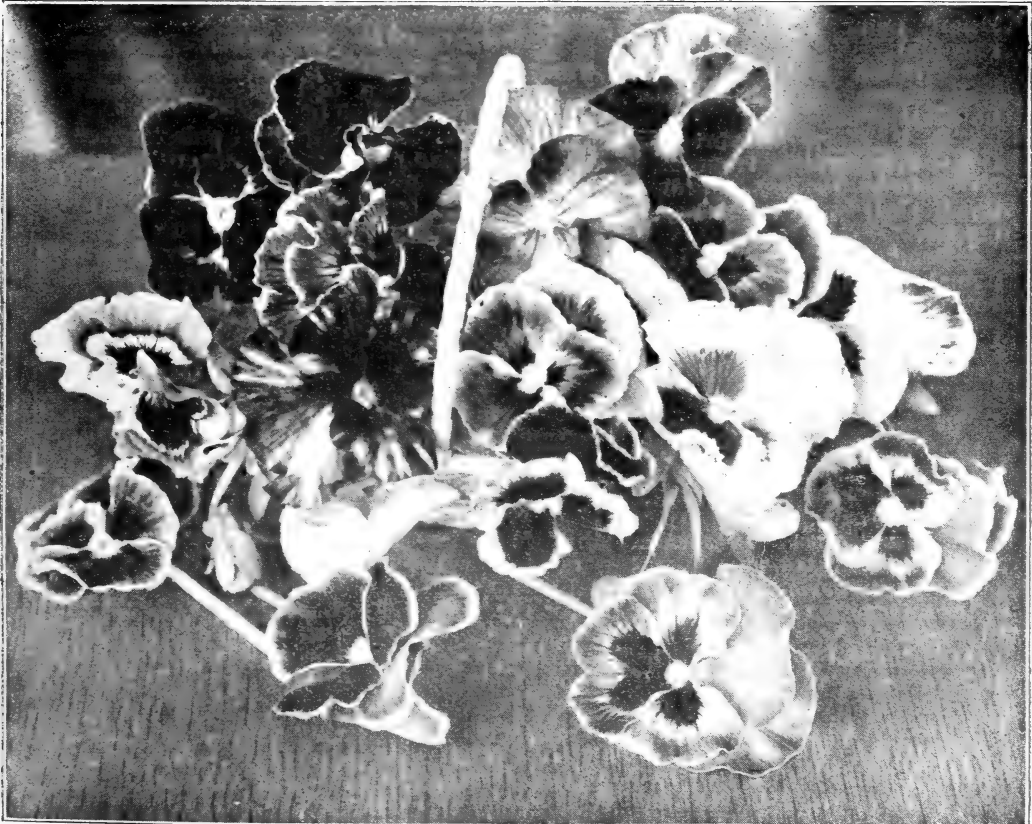
Orders will be filled promptly as soon as spring opens. We can also furnish transplanted plants in the fall after Sept. 20th. Write for special prices on fall pansy plants.

The plants we offer are all grown so as to furnish a strong root system. Those started in the greenhouse are hardened off by transplanting out doors before shipping.

Plants sent to all parts of the country, whether by express or mail, have been reported received in splendid order.

Transplanted plants in bud or blossom, from selected seed, by express, 30c per doz., 50 plants \$1.00, 100 plants \$1.60, 1,000 plants \$15.00, 500 plants at 1,000 plant rates. Plants once transplanted, by mail post-paid, 30c per doz.

The above prices are for mixed varieties, but if many plants of any one variety are ordered, ten per cent will be added to the regular prices of such plants.



**PETUNIA.** Single. Fringed or superbissima, each variety separate or both mixed, per doz. 30c.

—Double. Defender, pure white. Pink Beauty, fringed pink, a favorite. Talisman, rosy lilac, varying some in shade. Crimson Beauty, purplish crimson. Marvel, edged and mottled with white. Stella, white with mottled pink center. Each 10c, per doz. \$1.00.

**ROSES.** Because of their constant popularity we have decided to list roses this year. These are all good varieties of their respective classes. The plants are strong young growing bushes out of three-inch pots. If given proper care they will grow finely and most of the varieties will blossom the first year. The teas and hybrid teas will probably not stand our severe Wisconsin winters but will make good varieties for winter house culture as well as being free bloomers in the garden during the summer. The other varieties, with protection, will pass through northern winters safely.

—Anne de Diesbach. Hybrid perpetual. Bright clear pink.

—Baby Rambler. Crimson Baby. Dwarf, constant bloomer.

—Clothilde Soupert. Polyantha, Dwarf, outer petals white, center, rosy-pink.

—Crimson Rambler. Hardy. The well known crimson rambler needs no description.

—C. F. Meyer. Hybrid perpetual. Color, intense pink, fragrant, hardy.

—Dorothy Perkins. Hardy climber. Small shell pink flowers in large clusters.

—General Jacqueminot. Hybrid perpetual. Crimson scarlet. An old favorite.

—Helen Gould. Hybrid tea. Bright red. Free bloomer.

—Madam Plantier. Hybrid perpetual. Hardy, free bloomer. Flowers white.

—Magna Charta. Hybrid perpetual. Bright rose, large and double.

—Marshall P. Wilder. Hybrid perpetual. Glowing red.

—Paul Neyron. Hybrid perpetual. Deep rose. Flowers very large.

Any of the above selected list of roses at 15c each, or \$1.50 per doz.

**SALVIA SPLENDENS.** Nothing can excel the *Salvia Splendens* for giving a showy mass of color, and for a long time. With late cosmos, cannas, or any other bright green for a center or background the bright scarlet has a brilliant effect. Clara Bedman or Bonfire, medium height. Zurich, dwarf, an early and continuous bloomer. Any of the above varieties, 5c each. 50c per doz.

—Jewell. Newest dwarf salvia. Very free bloomer and long spikes. Large dark leaves and large brilliant flowers. 10c each; \$1.00 per doz.

**SCABIOSA.** See Mourning Bride.

**THUNBERGIA.** A very attractive climber, suitable for drooping over edge of vase or window box. Flowers white with black eye, or yellow with black eye. 5c each, per doz. 50c.

**TRADESCANTIA TRICOLOR.** The brightest of the wandering Jews. Useful in window boxes and vases in shady places, to hang over the edge. 10c each, \$1.00 per doz.

**VERBENA.** Beautiful and fragrant, free and continuous bloomers. In separate colors of white, pink, dark blue, scarlet, and mixed. Per doz. 30c.

**VINCA VARIEGATA.** Has drooping vine like stems with leaves variegated white and green. Indispensable for window boxes and vases. 10c, 15c and 20c each, per doz. \$1.00, \$1.50 and \$2.00.

## Hardy Perennial Plants

Hardy Herbaceous Perennials last for many years if not overcome with weeds and grass. To succeed they must be cultivated. In winter they all do better if covered with some light litter and surface drainage should be provided.

**ACHILLEA PTARMICA.** The Pearl. Double white, very hardy, and a profuse bloomer. Valuable as a summer cut flower. 5c each, 50c per doz.

**ANCHUSA ITALICA.** Dropmore. Showy plant, about 5 feet high, with great abundance of gentian blue flowers. 10c each, per doz. \$1.00.

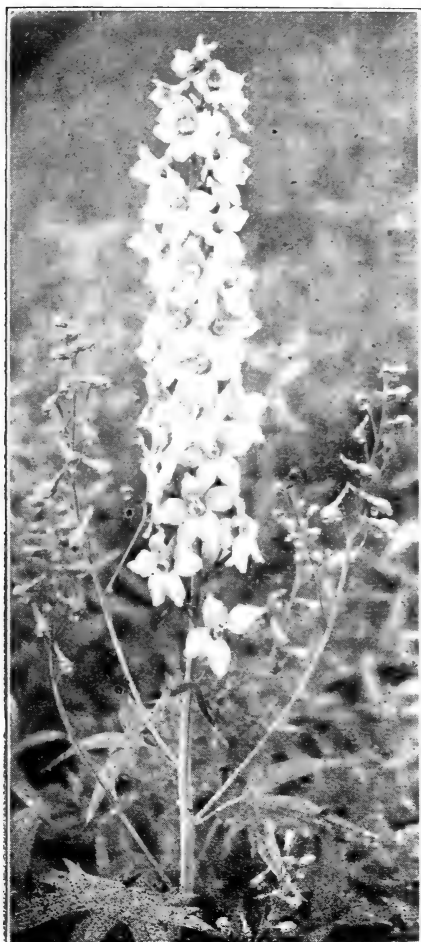
**AQUILEGIA** or **COLUMBINE.** These beautiful plants should be planted freely in every hardy garden. We furnish them in the following varieties: Double white, usually in bloom by Decoration day. *Coeurulea*, the long spurred Rocky Mountain columbine, bright, blue and white *Chrysanthea*, or Golden columbine, bright yellow, long spurred flowers. Long spurred Hybrids, mixed colors. 10c each, \$1.00 per doz.

**COREOPSIS LANCEOLATA.** Has graceful flowers of bright golden yel-



low color. Very desirable for cutting easily grown, 10c each, per doz. \$1.00.

**DAISY, Memorial.** An early flowering white daisy that is almost as large as the later Shasta Daisy. Great for Memorial Day. 10c each, per doz. \$1.00.



DELPHINIUM OR LARKSPUR

**DELPHINIUM Hardy Larkspur.** Larkspurs are among the most easily grown of hardy perennial plants. They are very hardy.

—Chinese Larkspur. Very pretty with finely divided foliage and flowers ranging from light to deep blue, also white. 10c each, per doz. \$1.00.

—New Hybrid Larkspur. Strong vigorous growers, flowers in various shades of blue, some with white centers. 10c each, per doz. \$1.00.

**DIANTHUS BARBATUS.** See Sweet William.

**GAILLARDIA GRANDIFLORA.** One of the very best of hardy perennials.

Flowers are large on long stems in beautiful combinations of yellow and scarlet shades. If the center of plants should winter kill, save the roots, from which young plants will spring up. 10c each, per doz. \$1.00.

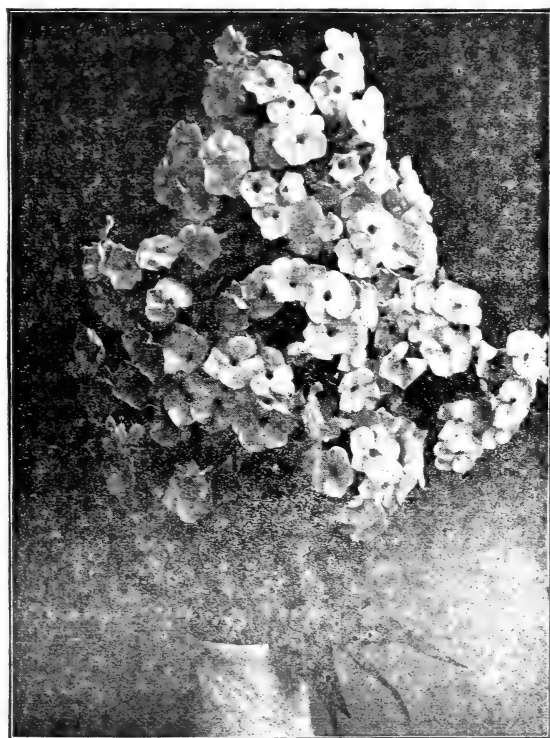
**GYPSOPHILA PANICULATA.** Graceful panicles of minute pure white flowers, giving a gauze like appearance. Useful for cutting, in combination with other flowers. 10c each, per doz. \$1.00.

**HOLLYHOCK.** An old favorite. Valuable as a background or to plant among shrubbery. Double mixed and single mixed colors. Strong plants. 10c each, \$1.00 per doz.

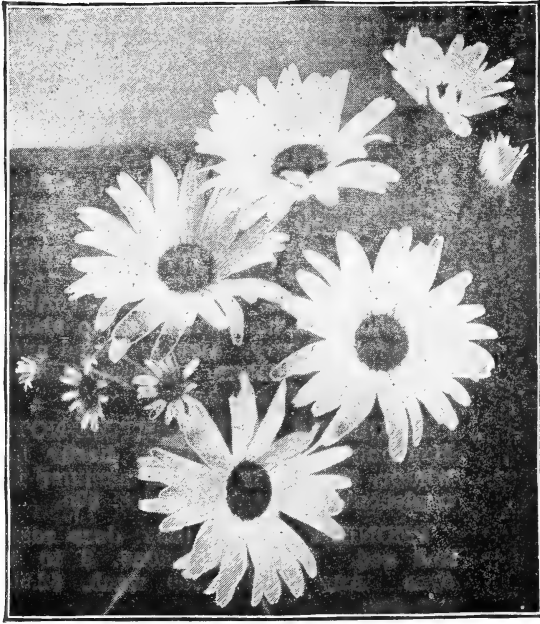
**MYOSOTIS or FORGET-ME-NOT.** Heavenly Blue. Perfectly hardy in winter, but easily lost in summer if neglected. 5c each, per doz. 50c.

**PEONIES.** White, pink, deep rose and red. Strong divisions, 3 to 5 eyes. Any color. 25c each, \$2.50 per doz.

**PERENNIAL PHLOX.** Probably there is no perennial flower that makes a finer show in the garden than the hardy phlox. They should be divided and reset every two or three years. From a number of



PERENNIAL PHLOX



SHASTA DAISY

choice varieties the following selection is offered:

—Aquilon. Carmine rose, shaded salmon with dark center.

—Attraction. White with rosy crimson eye, long spikes of bloom.

—Baron Burkhart. Bright rose, with large heads of flowers.

—Coquelicot. Scarlet shaded with salmon, crimson eye. Very showy.

—Eclairieur. Purplish crimson with white halo.

—Esperance. Magenta lilac shading to white center.

—Iris. Rich deep purple with dark crimson center.

—James Galloway. Crimson, maroon center.

—Luminous. Clear bright red with crimson eye.

—Pink Beauty. Clear pink, in large compact heads.

—William Robinson. Rosy salmon with dark center.

—Avista. Early white.

—Independence. Midseason, white.

—Jean d'Arc. Late, white.

—Selma. Large trusses of pink flowers with red eye.

Any of the above varieties 10c each, \$1.00 per doz.

**PLATYCONDON.** Japanese Bell Flower. These are very free bloomers and beautiful. Flowers are white or blue and very attractive in bud as well as blossom. 10c each, per doz. \$1.00.

**PYRETHRUM HYBRIDUM.** Too much cannot be said in favor of this

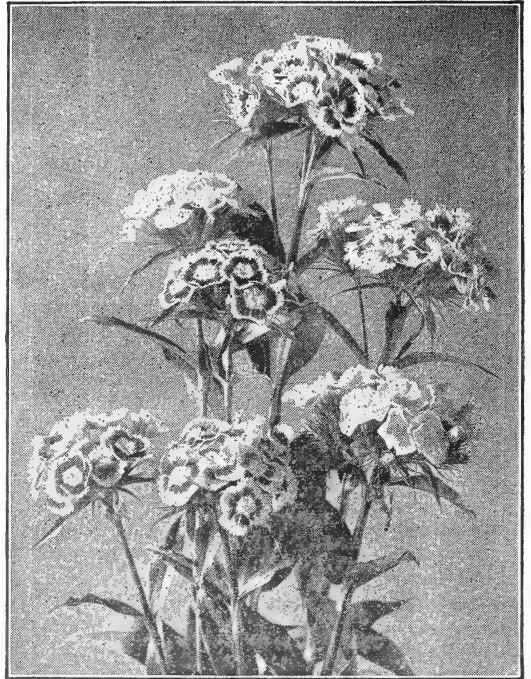
grand hardy perennial. It is very hardy, grows about 18 inches high, and has Daisy-like flowers from bluish white to bright red. Each 10c, doz. \$1.00.

**PYRETHRUM ULIGINOSUM.** Giant Daisy. These appear like tall Shasta Daisies, but are a species of Pyrethrum and are very hardy. They are very showy in late summer when covered with large white flowers. 10c each, per doz. \$1.00.

**RUDBECKIA GOLDEN GLOW.** Produces masses of double golden yellow flowers. Very hardy. 5c each, per doz. 50c.

**SHASTA DAISY, BURBANK'S.** Large white flowers in bloom continuously throughout the summer and fall. 10c each, per doz. \$1.00.

**CLEMATIS PANICULATA.** We consider this a very desirable hardy vine for either shade or ornament. The foliage is very attractive through the summer and the small white flowers form a perfect bank of whiteness in early September. The vine kills back nearly to the ground in winter, but makes a rapid growth in the spring. Two-year-old clumps, 35c each



SWEET WILLIAM

**SWEET WILLIAM.** *Dianthus barbatus.* A favorite in the old fashioned garden. Mixed colors, double or single. 10c each, \$1.00 per doz.

Any of the foregoing varieties of plants, 1/2 dozen at dozen rates. A dozen may consist of more than one kind of plants listed at the same price.



# WHOLESALE LIST

## TOOLS' Premium American PANSY Seeds and Plants.

We offer our American Grown Pansy seed to the trade as especially adapted to their use. Repeated trials have proved that they will germinate stronger and the resulting plants show more vitality than those grown from foreign seed. In our thirty years experience in Pansy seed and plant growing for both the wholesale and retail trades we have made a special study of the mixtures that most please the retail customers and have built up our strains accordingly. We grow the varieties separately and make up the mixtures from a definite formula so that you are sure to get the right proportions of the various colors.

We grow only the best varieties and are careful to throw out everything that does not come up to our high standard. It is our aim to develop good form and texture and the richest colorings as well as their large size. In short we have developed an American strain that is just what pleases the American public. Our long continuous trade with so many florists and market gardeners and a number of the large seed houses in all parts of the country shows the satisfaction that our seeds give.

**HOLLANDIAN TRAIL:** A selection of the most beautiful varieties, comprising the richest shades and finest colorings, and notable for the perfection of size and form of flowers. It contains the largest variety of the choicest fancy sorts. We recommend this strain for those having a very critical trade. Pkt. 25¢; 1000 seeds 50¢; 1/3 Oz. \$1.00; 1/4 Oz. \$1.75; Ounce \$3.00.

**TOOLS' GIANT PRIZE:** This is a mixture made up of the best of Giant varieties with the correct proportions of the different shades for general sale, and generous amounts of white and yellow. In our Giants we aim for fine color as well as size. This strain is our pride and will surely please. Pkt. 15¢; 1000 seeds 30¢; 1/3 Oz. 70¢; 1/4 oz. \$1.20; Ounce \$4.00.

**SUNSHED MIXED:** This is a mixture of about equal amounts of each of the more than 70 varieties that we grow. A very satisfactory mixture for florists. Pkt. 15¢; 1000 seeds 30¢; 1/3 oz. 70¢; 1/4 oz. \$1.20; Oz. \$4.00.

**EXTRA CHOICE MIX:** Where a lower priced strain is desired we recommend this. While it does not contain as many fancy varieties as the other mixtures there are no poor washy kinds in it. They all give flowers of a good form, color and texture. We throw out everything not up to our high standard. Pkt. 10¢; 1000 seeds 20¢; 1/8 oz 50¢; 1/4 oz 75¢; Ounce \$2.75.

**SEPARATE COLORS:** White, Red, Yellow and Blue. Prices same as for Giant Prize strain.

## PANSY PLANTS for the TRADE.

We furnish the trade with Greenhouse started pansy plants that are hardened off in cold frames. Plants grown in this manner are of superior quality as they will give finer flowers and a longer blossoming period. They grow so as to furnish a strong root system. Plants are sent in bud and green. The plants are grown from specially selected seed and the selection of varieties is such as we have found will please the most critical customers. Our thirty years experience in the Pansy business enables us to know what the retail trade wants.

We have developed a system of packing that makes it possible to send in plants to all parts of the country and have them arrive in the very best condition.

**PRICES to the TRADE:** per Thousand \$12.50; 500 at thousand rates prices for 5000 or over on application. In less than 500 lots at \$1.40 per hundred. We can furnish separate colors in red, yellow, white and blue at the same rates as above.

Shanrock, ready the first of March, 2in. \$3.00 per Hundred. Write for prices on other plants or seed you may need.

"Guide to Pansy CULTURE," with list of varieties and catalog of other plants will be sent on request.

WILLIAM TOOLE & SON.

Pansy Heights,

BARABO, ILL.

Above LIST is for the TRADE only.

**The University of Wisconsin**  
**Agricultural Experiment Station**  
State Nursery and Orchard Inspection

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**Nursery Certificate License No. 67**  
(Resident)

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This Certifies that the Nursery Premises of Wm. Toole & Son, Baraboo, Wisconsin, including one acre of stock have been inspected by an official state inspector in accordance with Chapter 434, Laws of Wisconsin, 1911, and LICENSE IS HEREBY GRANTED to the owners of the herein named nursery to sell and ship nursery stock, which has been officially inspected, for one year ending October 1, 1913, provided that a tag on which a certified copy of this license has been printed, is attached to each package, bundle, bale, box, or carload lot so shipped.

Issued at Madison, Wis., Sept. 18, 1912.

This Certificate-License is void after October 1, 1913, but may be previously revoked for cause.

**J. G. SANDERS,**  
State Orchard and Nursery Inspector  
**H. L. RUSSELL,**  
Director



**1913**

**WILLIAM TOOLE & SON**

**Pansy Heights**

**Baraboo :: Wisconsin**